

Converting Colors

CIELCh(44, 17.021, 241.536)

Have a look what the booklet for
CIELCh(44, 17.021, 241.536)
contains.

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Color

CIELCh(44, 16.987, 240.750)

Conversions

Conversions Part 1

Format	Color
Hex	466D80
RGB	70, 109, 128
RGB Percent	27%, 43%, 50%
CMY	0.7249, 0.5720, 0.4975
CMYK	0.45, 0.15, 0.00, 0.50
HSL	200°, 29%, 39%
HSV	200°, 45%, 50%
XYZ	11.9266, 13.8382, 22.5158
YIQ	99.5050, -29.3430, -2.3590

Conversions

Conversions Part 2

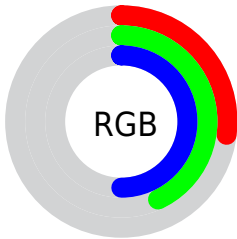
Format	Color
R_{YB}	70, 93, 128
Decimal	4615552
CIE _{Lab}	44.00, -8.30, -14.82
CIE _{LCh}	44, 16.987, 240.750
Yxy	13.8382, 0.2470, 0.2866
Android (android.graphics.Color)	4282805632 (0xFF466D80)
YUV	99.5050, 14.0480, -25.8759
Hunter-Lab	37.1997, -7.8706, -9.8465

Details

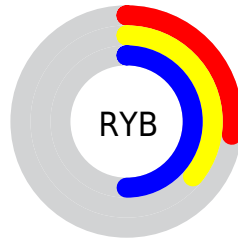
The CIELCh color **44, 16.987, 240.750** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **42, 22.059, 52.068**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 17.182, 241.873**, and **24, 16.922, 239.967** is the 20% darker color. If you saturate the color by 10%, you get **42, 20.045, 242.955**, and if you desaturate by 10%, it is **46, 13.633, 238.966**.

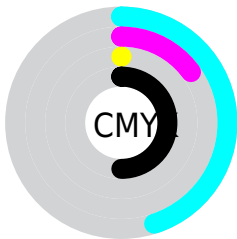
Distribution



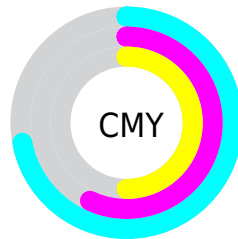
- Red (27%)
- Green (43%)
- Blue (50%)



- Red (27%)
- Yellow (36%)
- Blue (50%)



- Cyan (45%)
- Magenta (15%)
- Yellow (0%)
- Black (50%)




- Cyan (72%)
- Magenta (57%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 16.987, 240.750 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 44, 16.987, 240.750 by changing the saturation by 10% instead.


 44, 16.987,
240.750


 44, 16.987,
240.750


 100, 16.987,
240.750


 34, 16.987,
240.750

 64, 16.987,
240.750


 24, 16.987,
240.750

 74, 16.987,
240.750

 14, 16.987,
240.750


 84, 16.987,
240.750

 4, 16.987, 240.750

 94, 16.987,
240.750

 0, 16.987, 240.750

 44, 16.987,

 44, 16.987,

240.750

240.750

■ 42, 20.045,
242.955

■ 46, 13.633,
238.966

■ 40, 22.785,
245.664

■ 48, 10.018,
237.534

■ 38, 25.210,
248.948

■ 50, 6.185, 236.395

■ 37, 27.354,
252.850

■ 52, 2.172, 235.566

■ 55, 1.982, 54.470

■ 35, 29.311,
257.301

■ 57, 6.243, 53.980

■ 34, 30.269,
259.351

■ 59, 10.585, 53.506

■ 62, 14.982, 53.109

■ 64, 19.416, 52.782

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44, 16.987, 240.750



42, 22.059, 52.068

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44, 16.987, 240.750



44, 16.987, 290.750



44, 16.987, 60.750



44, 16.987, 110.750

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44, 16.986, 240.748



64, 7.016, 236.303



49, 32.494, 151.018



33, 4.864, 236.488



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44, 16.986, 240.748



54, 24.176, 242.949



35, 29.537, 288.198



26, 2.302, 235.833



34, 30.150, 259.323



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38, 32.670, 338.872



46, 47.248, 339.826



49, 27.701, 96.315



25, 4.053, 335.998



27, 54.616, 346.201



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 44, 16.987, 240.750 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 44, 16.987, 240.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

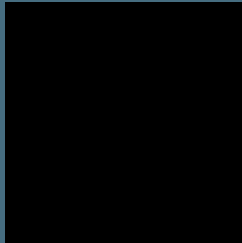
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 16.987, 240.750

Background



This preview shows how black text looks on a background with the CIELCh color 44, 16.987, 240.750.

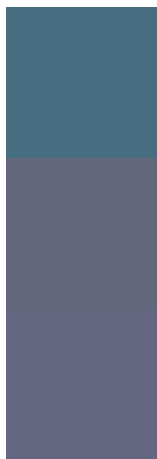


This preview shows how white text looks on a background with the CIELCh color 44, 16.987, 240.750.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


44, 16.987, 240.750

Protanopia

44, 12.647, 285.134

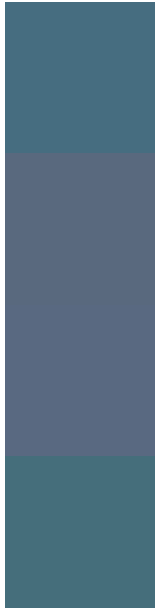
Deuteranopia

44, 16.797, 290.035



Tritanopia
44, 15.685, 218.133

Trichromacy



Original Color
44, 16.987, 240.750

Protanomaly
44, 13.672, 266.791

Deuteranomaly
44, 15.282, 270.147

Tritanomaly
44, 15.815, 227.796

Monochromacy



Original Color
44, 16.987, 240.750

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 6.783, 237.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 16.987, 240.750 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(70, 109, 128)` looks like.

```
.text, #text, p{  
    color:rgb(70, 109, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(70, 109, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 109, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 16.987, 240.750 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 109, 128) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(70, 109, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(70, 109, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 109, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 109, 128);  
box-shadow:4px 4px 4px 4px rgb(70, 109,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 16.987, 240.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 109, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(70, 109,  
128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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